REMARKS:

Remarks on the amendments to the claim listing:

Amendment to the specification:

We would like to complete the state of the art in the application by the following references:

[18] Firestone R. et al., "Table of Isotopes", Eighth Edition, 1996, Wiley Interscience.

[19] Pontecorvo B., and Lazard A., "Nuclear Isomerism produced by X-rays of the continuous spectrum", Compte Rendus, French Academy of Sciences, 1939, pp. 99-101.

[20] Boivin M., Cauchois Y., and Heno Y., "Nuclear photoactivation of 77Se, 107,109Ar, 111Cd, 115In, and 199Hg", North-Holland Publishing Co., Amsterdam, Nuclear Physics, A137 (1969), pp. 520-530.

[21] Veres A., "Photo-activation of Cadmium-111m and Indium-115m by Cobalt-60 irradiation", International Journal of Applied Radiation and Isotopes, 1963, Volume 14, pp. 123-128, Pergamon Press Ltd.

Documents [19], [20] and [21] are submitted in the attached IDS with the English translations I have made for [19] and [20].

It appears that document [21] may have disclosed by inherency the system of entangled samples comprising excited nuclei of at least the kind Cadmium-111m: [21] on page 125 : six plates of Cadmium-111 were irradiated simultaneously under a Co60 source. While the author did not envisaged the entanglement possibility, nor report any communication using the Cadmium-111 plates, we would like to amend our claims in order restrict them by not claiming Cadmium-111.

Note that the amendment shall not be considered as any abandonment of matter in the application, and in particular the communication process of claim [69-78] shall not be considered abandoned for Cadmium-111 should a claim comprising Cadmium-111 be accepted in the examination, or continuing examination, of this application, or of continuation applications ,or of divisional applications. The claims are amended in order to allow future rejoining with the claims aimed to the system of entangled samples

comprising excited nuclei of at least one kind of excited isomer nuclides, except where said kind of excited isomer nuclides is Cadmium (111Cd48m).